

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1 | 2 | "6820582" and ring | US-PGPUB; USPAT | OR | ON | 2008/04/30 10:25 |
| L2 | 0 | "6820582" and ring and cast\$4 | US-PGPUB; USPAT | OR | ON | 2008/04/30 10:25 |
| L3 | 0 | "6820582" and ring and cast | US-PGPUB; USPAT | OR | ON | 2008/04/30 10:26 |
| L4 | 1 | "5645028" and seam | US-PGPUB; USPAT | OR | ON | 2008/04/30 10:48 |
| S1 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and skirt \$2 and recess\$2 and aluminum near1 ring\$2 and shank\$2 and cool \$4 near1 channel \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 12:12 |
| S2 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and skirt \$2 and recess\$2 and aluminum near1 ring\$2 and shank\$2 and cool \$4 and channel \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 12:12 |

| | | | | | | |
|----|---|---|-----------------|----|----|------------------|
| S3 | 0 | 29/888.01 and engine and piston and pin and bore\$2 and pin near1 boss\$3 and skirt\$2 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 12:12 |
| S4 | 0 | 29/888.01 and engine and piston and pin and bore\$2 and pin near1 boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 12:13 |
| S5 | 0 | 29/888.01 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 12:13 |

| | | | | | | |
|----|---|--|-----------------|----|----|------------------|
| S6 | 0 | 29/888.01 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and channel \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 12:13 |
| S7 | 0 | 29/888.01 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 12:13 |
| S8 | 0 | 29/888.04 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:03 |
| S9 | 0 | 29/888.044 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:03 |

| | | | | | | |
|-----|---|---|-----------------|----|----|------------------|
| S10 | 0 | 29/888.049 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:03 |
| S11 | 0 | 29/888.05 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:04 |
| S12 | 0 | 29/888.07 and engine and piston and pin and bore\$2 and pin and boss\$3 and skirt\$2 and recess\$2 and aluminum and ring\$2 and shank \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:04 |
| S13 | 0 | 29/888.07 and engine and piston and pin and bore\$2 and pin and boss\$3 and recess\$2 and aluminum and ring\$2 and shank\$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:04 |

| | | | | | | |
|-----|---|--|-----------------|----|----|------------------|
| S14 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and cool\$4 near1 channel\$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:05 |
| S15 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and cool\$4 and channel\$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:06 |
| S16 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and channel \$2 and crown and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:07 |

| | | | | | | |
|-----|-----|---|-----------------|----|----|------------------|
| S17 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin near1 boss\$3 and recess\$2 and aluminum near1 ring\$2 and shank \$2 and channel \$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:07 |
| S18 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin and recess\$2 and aluminum near1 ring\$2 and shank \$2 and channel \$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:07 |
| S19 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and shank \$2 and channel \$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:07 |
| S20 | 0 | 29/888.01 and engine and piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:07 |
| S21 | 309 | 29/888.01 \piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:07 |

| | | | | | | |
|-----|-----|--|------------------------|----|----|---------------------|
| S22 | 306 | 29/888.01 andpiston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld | US- PGPUB; USPAT | OR | ON | 2008/04/28 15:08 |
| S23 | 0 | 29/888.01 and piston and pin near1 bore\$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld | US- PGPUB; USPAT | OR | ON | 2008/04/28 15:08 |
| S24 | 0 | 29/888.01 and piston and bore \$2 and pin and aluminum near1 ring\$2 and channel\$2 and weld | US- PGPUB; USPAT | OR | ON | 2008/04/28 15:08 |
| S25 | 0 | 29/888.01 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld | US- PGPUB; USPAT | OR | ON | 2008/04/28 15:09 |
| S26 | 0 | 29/888.04 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld | US- PGPUB; USPAT | OR | ON | 2008/04/28 15:09 |
| S27 | 0 | 29/888.044 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld | US- PGPUB; USPAT | OR | ON | 2008/04/28 15:09 |

| | | | | | | |
|-----|----|---|-----------------|----|----|------------------|
| S28 | 0 | 29/888.049 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:09 |
| S29 | 0 | 29/888.05 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:09 |
| S30 | 0 | 29/888.07 and piston and bore \$2 and pin and aluminum and ring\$2 and channel\$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:09 |
| S31 | 0 | 29/888.07 and piston and bore \$2 and pin and aluminum and channel\$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:11 |
| S32 | 0 | 29/888.01 and piston and bore \$2 and pin and aluminum and channel\$2 and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:11 |
| S33 | 0 | 29/888.01 and piston and bore \$2 and pin and aluminum and weld | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:11 |
| S34 | 16 | 29/888.01 and piston and bore \$2 and pin and aluminum | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:11 |

| | | | | | | |
|-----|----|--|--------------------|----|----|---------------------|
| S35 | 3 | 29/888.01 and piston and bore \$2 and pin and aluminum and skirt | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:12 |
| S36 | 0 | 29/888.01 and piston and bore \$2 and pin and aluminum and skirt and niresit | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:12 |
| S37 | 11 | 29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:12 |
| S38 | 1 | 29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and shank \$2 | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:13 |
| S39 | 1 | 29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and boss \$4 | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:15 |
| S40 | 1 | 29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and crown \$2 | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:16 |
| S41 | 1 | 29/888.01 and piston and bore \$2 and pin and aluminum and cool\$5 and weld \$5 | US-PGPUB; USPAT | OR | ON | 2008/04/28 15:18 |
| S42 | 1 | 06/682,420 | US-PGPUB; USPAT | OR | ON | 2008/04/29 11:47 |
| S43 | 0 | 06/682,420 and forging | US-PGPUB; USPAT | OR | ON | 2008/04/29 15:17 |

| | | | | | | |
|-----|------|---|------------------------|----|----|---------------------|
| S44 | 0 | 06/682,420 and forg\$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 15:17 |
| S45 | 0 | "6029346" and forg\$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 15:21 |
| S46 | 7325 | piston and forg \$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 15:22 |
| S47 | 1405 | piston same forg \$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 15:22 |
| S48 | 224 | piston same forg \$4 same aluminum\$3 | US- PGPUB; USPAT | OR | ON | 2008/04/29 15:22 |
| S49 | 22 | piston same forg \$4 same aluminum\$3 same base | US- PGPUB; USPAT | OR | ON | 2008/04/29 15:23 |
| S50 | 3 | piston same forg \$4 same aluminum\$3 same base same recess | US- PGPUB; USPAT | OR | ON | 2008/04/29 15:23 |
| S51 | 2 | "6530149" and cool\$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:15 |
| S52 | 1994 | piston and cool \$4 and shank\$2 | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:17 |
| S53 | 272 | piston and cool \$4 same shank\$2 | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:17 |
| S54 | 78 | piston same cool \$4 same shank\$2 | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:17 |
| S55 | 14 | piston same cool \$4 same shank\$2 same channel | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:18 |
| S56 | 5 | piston same cool \$4 same shank\$2 same channel same steel | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:18 |

| | | | | | | |
|-----|---|--|------------------------|----|----|---------------------|
| S57 | 1 | piston same cool \$4 same shank\$2 same channel same steel same sheet | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:18 |
| S58 | 5 | piston same cool \$4 same shank\$2 same channel same steel | US- PGPUB; USPAT | OR | ON | 2008/04/29 16:18 |
| S59 | 0 | "6820582" and weld\$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 17:50 |
| S60 | 1 | piston same cool \$4 same shank\$2 same channel same steel and weld\$5 | US- PGPUB; USPAT | OR | ON | 2008/04/29 17:50 |
| S61 | 0 | "6820582b" and weld\$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 17:51 |
| S62 | 0 | "6820582B" and weld\$4 | US- PGPUB; USPAT | OR | ON | 2008/04/29 17:51 |
| S63 | 3 | piston same weld \$4 same niresist | US- PGPUB; USPAT | OR | ON | 2008/04/29 18:04 |
| S64 | 3 | piston same weld \$4 same niresist | US- PGPUB; USPAT | OR | ON | 2008/04/29 18:05 |
| S65 | 1 | piston same weld \$4 same niresist and shank | US- PGPUB; USPAT | OR | ON | 2008/04/29 18:06 |
| S66 | 0 | "5645028" and cutting | US- PGPUB; USPAT | OR | ON | 2008/04/29 18:31 |
| S67 | 3 | "5645028" and cut\$5 | US- PGPUB; USPAT | OR | ON | 2008/04/29 18:31 |

4/ 30/ 2008 11:08:12 AM

C:\Documents and Settings\dkirksey\My Documents\EAST\Workspaces
\10578595.wsp